

Ariel 5

2A CAT OF HI GAL LAT X-RAY SOURCES

74-077A-02C

This dataset was never archived to tape. In 2004 an ASCII version was downloaded from the Astronomical Data Center (ADC) archives. The data set has been processed to one CD-Write Once containing three files; file 1 contains the 2A Catalogue of High Galactic Latitude X-ray Sources, file 2 contains the data set documentation, and file 3 contains the source reference, brief description of catalog, and file summary.

KD#	KW#	VOLUME	
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KD021307	KW000171	2A_cat	File 1 2a.dat File 2 xray2a.doc File 3 readme.txt

Second Ariel X-Ray Catalogue (2A; Cooke+ 1978)

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Second Ariel X-Ray Catalogue

Cooke B.A., Ricketts M.J., Maccacaro T., Pye J.P., Elvis M., Watson M.G.,

Griffiths R.E., Pounds K.A., McHardy I.M., Maccagni D., Seward F.D.,

Page C.G., Turner M.J.L.

<MNRAS, 182, 489 (1978)>

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ADC_Keywords: X-ray sources

Mission_Name: Ariel 5

Description:

This catalog contains 105 sources in the wavelength range 2 - 18 keV, galactic latitude $|b| > 10$ deg., and brighter than approximately 3.2 Uhuru counts. It results from the sky survey conducted by the

Leischester

Sky Survey Instrument on Ariel V.

Note: The document does not contain a format table!

File Summary:

FileName	Lrecl	Records	Explanations
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readme.txt	80	.	This file
xray2a.doc	79	280	Documentation
2a.dat	80	107	Catalog Data

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(End)

Sep-1995

Gail L. Schneider [SSDOO/ADC] 25-

DOCUMENTATION FOR THE MACHINE-READABLE VERSION
OF THE SECOND ARIEL CATALOGUE

July 1979

Contract NAS 5-25369

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SECTION 1 - INTRODUCTION

In recent years there has been a trend away from publishing catalogues in book form to preparing catalogues by computer and distributing them on magnetic tape, with appearance in book form a secondary occurrence. This memo is the result of the development of the documentation for the machine-readable version of the catalogue and includes the basic information given in the original preface of the published catalogue. This memo should be distributed along with any copy of the machine-readable version of the catalogue.

SECTION 2 - FILE CONTENTS

A byte-by-byte description of the contents of the catalogue is given in Table 2-1. The information in the "Description" column is derived mainly from the published version of the catalogue whenever possible. The "Suggested Format" column is for FORTRAN-formatted reads.

Table 2-1. File Contents: SECOND ARIEL CATALOGUE

Bytes	Description	Suggested Format
1-12	Name of celestial source	12A1
13-22	Right Ascension (1950.0) (unit = degrees)	F10.4
23-32	Declination (1950.0) (unit = degrees)	F10.4
33-40	X-ray intensity (where applicable in units of given detector)	8A1
41-80	Comments	40A1

SECTION 3 - FILE CHARACTERISTICS

The information contained in this section is sufficient for the user to read the machine-readable version of the catalogue. The statistics of the contents of the entire file are given in Table 3-1.

Table 3-1. File Characteristics: SECOND ARIEL CATALOGUE

CATALOGUE	2A
NUMBER OF FILES	1
LOGICAL RECORD LENGTH (BYTES)	80
RECORD FORMAT (IBM OS/JCL)	Fixed
TOTAL NUMBER OF LOGICAL RECORDS	107

SECTION 4 - REMARKS AND MODIFICATIONS

The Second Ariel Catalogue (B. A. Cooke, M. J. Ricketts, T. Maccacaro, J. P. Pye, M. Elvis, M. G. Watson, R. E. Griffiths, K. A. Pounds, I. McHardy, D. Maccagni, F. D. Seward, C. G. Page and M. J. L. Turner, 1978 Monthly Notices of the Royal Astronomical Society, 182, 489-515) has been made machine-readable by G. Share (Naval Research Laboratory). The information given in this document has been obtained via private communication with Dr. Share. No effort has been expended to verify the contents and Dr. Share bears the responsibility for any keypunching errors.